

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A valve for controlling fluid flow in a main fluid flow path of a fluid system which has a source of fluid pressure, a load and a feedback valve, comprising:

a primary valve body having an inlet and outlet port for fluid flow from a fluid pressure source and a flexible conduit which extends along a greater portion of an extended length path, wherein the flexible ~~tube~~ conduit also forms a valve seal closure member constrained to engage only a non-porous valve seat which extends along only a minor portion of the extended length of the extended length path in the closed position of the valve;

a control port in the primary valve body for providing a control fluid acting to maintain the ~~flexible~~ valve seal closure member in the closed position under a pressure differential as between that applied to one side of the ~~flexible~~ valve seal closure member by said fluid flow through the inlet port acting to lift the ~~flexible~~ valve seal closure member off the valve seat, and that applied on the other side of the ~~flexible~~ valve seal closure member through said control port to close the valve;
and

a restrictor connected to the pressure source to supply fluid flow to an input port of the feedback valve which has an output port vented to atmosphere and a control port connected to the output port of the primary valve and the load,

wherein a junction of a connection between the restrictor and the feedback valve forms a pressure divider which is connected to an outer pressure vessel at the control port of the primary valve; and

wherein in response to an increase of load pressure, the pressure applied to the control port of the feedback valve is increased causing a reduction in fluid flow through the feedback valve so

that pressure at a junction of the restrictor and input port of the feedback valve is increased and applied to the control port of the primary valve causing it to reduce flow passage and therefore, pressure, to restore an original imbalance and

wherein the including a feedback valve has an inlet and outlet port for fluid flow from a fluid pressure source and a flexible conduit which extends along a greater portion of an extended length path, wherein the flexible conduit also forms a valve seal closure member constrained to engage only a non-porous valve seat which extends along only a minor portion of the extended length of the extended length path in the closed position of the valve, and is between the control port and the outlet port for varying the pressure of fluid at the control port in response to an imbalance in pressure at the outlet port thereby to stabilise the pressure or fluid flow at the outlet port.

2. (Canceled)

3. (Previously Presented) A valve as claimed in claim 1 wherein the conduit is circular in cross section and the valve seat in the form of a sphere of larger cross section.

4-21. (Canceled)